

REMARKS

Claim Rejections

Claim 1 is rejected under 35 U.S.C. § 112, second paragraph. Claims 1-6 are rejected under 35 U.S.C. § 102(b) as being anticipated by Roggenburk (U.S. 2,762,340).

Amendments to Specification

Applicant has amended the Specification as noted above to correct the reference number for the pneumatic cylinder and to provide a title that is more descriptive of the claimed invention. No “new matter” has been added to the original disclosure by the foregoing amendments to the Specification.

Drawings

It is noted that no Patent Drawing Review (Form PTO-948) was received with the outstanding Office Action. Thus, Applicant must assume that the drawings are acceptable as filed.

New Claims

By this Amendment, Applicant has canceled claims 1-6 and has added new claims 7-12 to this application. It is believed that the new claims specifically set forth each element of Applicant's invention in full compliance with 35 U.S.C. § 112, and define subject matter that is patentably distinguishable over the cited prior art.

The new claims are directed toward a pneumatic cylinder of a pneumatic tool comprising: a cylinder body (30) having: an cylindrical chamber (32); an inlet (34) located in the in a wall thereof and communicating with the cylindrical chamber; and a predetermined number of outlets (36) communicating with the cylindrical chamber; two end caps (40, 42), one of the two end caps is located on each of two opposing ends of the cylindrical body, each of the two end caps having: a first central through hole (44); an annular projecting wall (45); and a circular cavity (46) extending through the annular projecting wall and communicating with the first central through hole, the circular cavity having a circular dent (48) located in a bottom thereof; a

rotor (50) located in the cylindrical chamber and having a rotary shaft (60) being fixed thereto, one of two ends of the rotary shaft being inserted through the first central through hole of each of the two end caps; two bearings (70), one of the two bearings being located in the circular cavity of each of the two end caps; and two airtight rings (80), one of the two airtight rings being located in each circular dent between one of the two bearings and the bottom of the circular cavity of each of the two end caps, each of the two airtight rings having a second central through hole (82), one of two ends of the rotary shaft being inserted through the second central through hole of each of the two airtight rings.

Other embodiments of the present invention include: each of the two airtight rings is an annular plate; each of the two airtight rings is made of rubber; and each of the two airtight rings providing an airtight seal between the second central through hole of one of the two airtight rings and each of the two ends of the rotary shaft.

The cited reference to Roggenburk teaches a rotary fluid motor having a shaft (20), a rotor (22), two end plates (45) fixed to and rotating with the rotor, and end caps (36) are fixed to a housing (10).

Roggenburk does not teach the circular cavity having a circular dent located in a bottom thereof; two airtight rings; one of the two airtight rings being located in each circular dent between one of the two bearings and the bottom of the circular cavity of each of the two end caps; each of the two airtight rings having a second central through hole; one of two ends of the rotary shaft being inserted through the second central through hole of each of the two airtight rings; each of the two airtight rings is an annular plate; nor does Roggenburk teach each of the two airtight rings is made of rubber.

It is axiomatic in U.S. patent law that, in order for a reference to anticipate a claimed structure, it must clearly disclose each and every feature of the claimed structure. Applicant submits that it is abundantly clear, as discussed above, that Roggenburk does not disclose each and every feature of Applicant's new claims and, therefore, could not possibly anticipate these claims under 35 U.S.C. § 102. Absent a specific showing of these features, Roggenburk cannot be said to anticipate any of Applicant's new claims under 35 U.S.C. § 102.

It is further submitted that Roggenburk does not disclose, or suggest any modification of the specifically disclosed structures that would lead one having ordinary skill in the art to arrive at Applicant's claimed structure. Thus, it is not believed that Roggenburk renders obvious any of Applicant's new claims under 35 U.S.C. § 103.

Summary

In view of the foregoing amendments and remarks, Applicant submits that this application is now in condition for allowance and such action is respectfully requested. Should any points remain in issue, which the Examiner feels could best be resolved by either a personal or a telephone interview, it is urged that Applicant's local attorney be contacted at the exchange listed below.

Respectfully submitted,

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